



Programming Languages and Data Access Methods							December 2022					
Manufacturer	Programming Language Name	Version	Current Classification	General Availability	Projected	Approved	Divest: Plan	Divest: Execution	Prohibited	Vendor End of Support	References	Notes
CII Honewell Bull	Ada	2012	Prohibited	2012							<a href="https://en.wikipedia.org/wiki/Ada_(programming_language)">https://en.wikipedia.org/wiki/Ada_(programming_language)</a>	<a href="https://en.wikipedia.org/wiki/Groupe_Bull">https://en.wikipedia.org/wiki/Groupe_Bull</a> <a href="https://curlie.org/Computers/Programming/Languages/Ada">https://curlie.org/Computers/Programming/Languages/Ada</a>
Association for Computing Machinery (ACM)	ALGOL	DG/L	Prohibited	1972							<a href="https://en.wikipedia.org/wiki/ALGOL">https://en.wikipedia.org/wiki/ALGOL</a>	
IBM	APL	APL2	Prohibited	1984							<a href="https://en.wikipedia.org/wiki/APL_(programming_language)">https://en.wikipedia.org/wiki/APL_(programming_language)</a>	
IBM	Assembler	BAL	Prohibited	1964							<a href="https://en.wikipedia.org/wiki/IBM_Basic_Assembly_Language_and_successors">https://en.wikipedia.org/wiki/IBM_Basic_Assembly_Language_and_successors</a>	
Dartmouth	BASIC	All versions	Prohibited	1964							<a href="https://en.wikipedia.org/wiki/BASIC">https://en.wikipedia.org/wiki/BASIC</a>	
Bell Labs	"C"	All versions	Prohibited	1973							<a href="https://en.wikipedia.org/wiki/The_C_Programming_Language">https://en.wikipedia.org/wiki/The_C_Programming_Language</a>	<a href="https://www.section.io/engineering-education/history-of-c-programming-language/">https://www.section.io/engineering-education/history-of-c-programming-language/</a>
Nantucket Corporation	Clipper	xBase	Prohibited	1997							<a href="https://en.wikipedia.org/wiki/Clipper_(programming_language)">https://en.wikipedia.org/wiki/Clipper_(programming_language)</a>	aka CA-Clipper
CODASYL	COBOL	All versions	Prohibited	1959							<a href="https://en.wikipedia.org/wiki/COBOL">https://en.wikipedia.org/wiki/COBOL</a>	<a href="https://en.wikipedia.org/wiki/CODASYL">https://en.wikipedia.org/wiki/CODASYL</a>
Embarcadero Technologies	Delphi	All versions	Prohibited	1995							<a href="https://en.wikipedia.org/wiki/Delphi_(software)">https://en.wikipedia.org/wiki/Delphi_(software)</a>	<a href="https://en.wikipedia.org/wiki/History_of_Delphi_(software)">https://en.wikipedia.org/wiki/History_of_Delphi_(software)</a>
IBM	Fortran	All versions	Prohibited	1957							<a href="https://en.wikipedia.org/wiki/Fortran">https://en.wikipedia.org/wiki/Fortran</a>	
Software AG	Natural		Prohibited	1979							<a href="https://en.wikipedia.org/wiki/ADABAS#Natural_(4GL)">https://en.wikipedia.org/wiki/ADABAS#Natural_(4GL)</a>	<a href="https://en.wikipedia.org/wiki/Natural_language">https://en.wikipedia.org/wiki/Natural_language</a> <a href="https://www.xenonstack.com/blog/evolution-of-nlp/">https://www.xenonstack.com/blog/evolution-of-nlp/</a>
MIT	Lisp	All LISP-based languages	Prohibited	1958							<a href="https://en.wikipedia.org/wiki/Lisp_(programming_language)">https://en.wikipedia.org/wiki/Lisp_(programming_language)</a>	<a href="https://en.wikipedia.org/wiki/List_of_programming_languages_by_type#List-based_languages_%E2%80%93_LISPs">https://en.wikipedia.org/wiki/List_of_programming_languages_by_type#List-based_languages_%E2%80%93_LISPs</a>
Unisys / Sperry	Mapper	All versions	Prohibited	1975							<a href="https://en.wikipedia.org/wiki/MAPPER">https://en.wikipedia.org/wiki/MAPPER</a>	
Corel	Paradox	All versions	Prohibited	1985							<a href="https://en.wikipedia.org/wiki/Paradox_(database)">https://en.wikipedia.org/wiki/Paradox_(database)</a>	
Berkley	Pascal	All versions	Prohibited	1970							<a href="https://en.wikipedia.org/wiki/Pascal_(programming_language)">https://en.wikipedia.org/wiki/Pascal_(programming_language)</a>	<a href="https://www.britannica.com/technology/Pascal-computer-language">https://www.britannica.com/technology/Pascal-computer-language</a>
IBM	PL/I	All versions	Prohibited	1964							<a href="https://en.wikipedia.org/wiki/PL/I">https://en.wikipedia.org/wiki/PL/I</a>	aka PL/1
IBM	Rexx	All versions	Prohibited	1979							<a href="https://en.wikipedia.org/wiki/Rexx">https://en.wikipedia.org/wiki/Rexx</a>	
IBM	RPG X	All versions	Prohibited	1959							<a href="https://en.wikipedia.org/wiki/IBM_RPG">https://en.wikipedia.org/wiki/IBM_RPG</a>	

Programming Languages and Data Access Methods							December 2022					
Manufacturer	Programming Language Name	Version	Current Classification	General Availability	Projected	Approved	Divest: Plan	Divest: Execution	Prohibited	Vendor End of Support	References	Notes

The following **data access methods** are considered *Prohibited* technologies by COV per Enterprise Technical Architecture (ETA): Legacy Information Technology (IT) Solutions.

<https://www.vita.virginia.gov/media/vitavirginiagov/it-governance/ea/pdf/Legacy-IT-Solutions-Topic-Report.pdf>

Vendor	Data Access Name	Version	Current Classification	General Availability	Divest: Plan	Divest: Execution	Divest: Plan	Divest: Execution	Prohibited	Vendor End of Support	References	Notes
	Adabas		Prohibited								<a href="https://documentation.softwareag.com/natural/nat6313win/pg/pg_dbms_ada.htm">https://documentation.softwareag.com/natural/nat6313win/pg/pg_dbms_ada.htm</a>	<a href="https://en.wikipedia.org/wiki/Access_method">https://en.wikipedia.org/wiki/Access_method</a>
	IMS		Prohibited								<a href="https://flylib.com/books/en/2.869.1.57/1/">https://flylib.com/books/en/2.869.1.57/1/</a>	<a href="https://en.wikipedia.org/wiki/Access_method">https://en.wikipedia.org/wiki/Access_method</a> <a href="https://flylib.com/books/en/2.869.1.58/1/">https://flylib.com/books/en/2.869.1.58/1/</a> <a href="https://en.wikipedia.org/wiki/IBM_Information_Management_System">https://en.wikipedia.org/wiki/IBM_Information_Management_System</a>
	VSAM		Prohibited								<a href="https://en.wikipedia.org/wiki/Virtual_Storage_Access_Method">https://en.wikipedia.org/wiki/Virtual_Storage_Access_Method</a>	<a href="https://en.wikipedia.org/wiki/Access_method">https://en.wikipedia.org/wiki/Access_method</a>
	ISAM		Prohibited								<a href="https://en.wikipedia.org/wiki/ISAM">https://en.wikipedia.org/wiki/ISAM</a>	<a href="https://en.wikipedia.org/wiki/Access_method">https://en.wikipedia.org/wiki/Access_method</a>
	xBase		Prohibited								<a href="https://en.wikipedia.org/wiki/Microsoft_Data_Access_Components">https://en.wikipedia.org/wiki/Microsoft_Data_Access_Components</a>	<a href="https://en.wikipedia.org/wiki/Access_method">https://en.wikipedia.org/wiki/Access_method</a>
	Paradox		Prohibited								<a href="https://en.wikipedia.org/wiki/Microsoft_Data_Access_Components">https://en.wikipedia.org/wiki/Microsoft_Data_Access_Components</a>	<a href="https://en.wikipedia.org/wiki/Access_method">https://en.wikipedia.org/wiki/Access_method</a>
	Hierarchical Database Access	All	Prohibited								<a href="https://en.wikipedia.org/wiki/Access_method">https://en.wikipedia.org/wiki/Access_method</a>	e.g. HSAM, HISAM, HIDAM, HDAM, PHDAM, SHSAM, SHISAM, etc.
	Network Database Access	All	Prohibited								<a href="https://en.wikipedia.org/wiki/Access_method">https://en.wikipedia.org/wiki/Access_method</a>	e.g. BTAM, QTAM, TCAM, VTAM, etc.
	Non-security patch updated data a	All	Prohibited								<a href="https://en.wikipedia.org/wiki/Access_method">https://en.wikipedia.org/wiki/Access_method</a>	All data access methods and versions without security patching

The following represents COV **programming language classifications** per Enterprise Technical Architecture (ETA): Legacy Information Technology (IT) Solutions and KSE-CMDB and/or Archer research.

<https://www.vita.virginia.gov/media/vitavirginiagov/it-governance/ea/pdf/Legacy-IT-Solutions-Topic-Report.pdf>

Key	Description
	Emerging
	Projected
	Approved
	Divest: Plan
	Divest: Execute
	Prohibited
	Skipped